

SEQUENCE LISTING

<110> Arpi Matossian-Rogers

<120> Ligands, including antibodies, showing reactivity against endocrine cells

<130> 2003-1279

<140> NEW

<141> 2003-10-01

<150> 09/463158

<151> 2000-01-20

<150> GB9715281.3

<151> 1997-07-21

<150> GB9810676.8

<151> 1998-05-18

<160> 7

<170> PatentIn Version 3.2

<210> 1

<211> 1231

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (2)..(1231)

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ctg ggc aaa atc ggc tcc tac ctc agt gct agc acc aga cac agg gtc 97
Leu Gly Lys  Ile Gly Ser Tyr Leu Ser Ala Ser Thr Arg His Arg Val
      20              25              30

ctt acc tct gcc ttc agc cga gcc act agg gac ccg ttt gca ccg tcc 145
Leu Thr Ser  Ala Phe Ser Arg Ala Thr Arg Asp Pro Phe Ala Pro Ser
      35              40              45

cgg gtt gcg ggt gtc ctg ggc ttt gct gcc acc cac aac ctc tac tca 193
Arg Val  Ala Gly Val Leu Gly Phe Ala Ala Thr His Asn Leu Tyr Ser
      50              55              60

atg aac gac tgt gcc cag aag atc ctg cct gtg ctc tgc ggt ctc act 241
Met Asn Asp Cys Ala Gln Lys Ile Leu Pro Val Leu Cys Gly Leu Thr
      65              70              75

gta gat cct gag aaa tcc gtg cga gac cag gcc ttc aag gcc att cgg 289
Val Asp Pro Glu Lys Ser Val Arg Asp Gln Ala Phe Lys Ala Ile Arg
      85              90              95

agc ttc ctg tcc aaa ttg gag tct gtg tcg gag gac ccg acc cag ctg 337
Ser Phe Leu Ser Lys Leu Glu Ser Val Ser Glu Asp Pro Thr Gln Leu
      100              105              110

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Glu Glu Val Glu Lys Asp Val His Ala Ala Ser Ser Pro Gly Met Gly	
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gga gcc gca gct agc tgg gca ggc tgg gcc gtg acc ggg gtc tcc tca	433
Gly Ala Ala Ala Ser Trp Ala Gly Trp Ala Val Thr Gly Val Ser Ser	
130 135 140	
ctc acc tcc aag ctg atc cgt tgc cac cca acc act gcc cca aca gaa	481
Leu Thr Ser Lys Leu Ile Arg Ser His Pro Thr Thr Ala Pro Thr Glu	
145 150 155	
acc aac att ccc caa aga ccc acg cct gaa gtt cct gcc cca gcc ccc	529
Thr Asn Ile Pro Gln Arg Pro Thr Pro Glu Val Pro Ala Pro Ala Pro	
165 170 175	
acc cct gtt cct gcc acc cct aca acc tca ggc cac tgg gag acg cag	577
Thr Pro Val Pro Ala Thr Pro Thr Thr Ser Gly His Trp Glu Thr Gln	
180 185 190	
gag gag gac aag gac aca gca gaa gac agc agc act gct gac aga tgg	625
Glu Glu Asp Lys Asp Thr Ala Glu Asp Ser Ser Thr Ala Asp Arg Trp	
195 200 205	
gac gac gaa gac tgg ggc agc ctg gag cag gag gcc gag tct gtg ctg	673
Asp Asp Glu Asp Trp Gly Ser Leu Glu Gln Glu Ala Glu Ser Val Leu	
210 215 220	
gcc cag cag gac gac tgg agc acc ggg ggc caa gtg agc cgt gct agt	721
Ala Gln Gln Asp Asp Trp Ser Thr Gly Gly Gln Val Ser Arg Ala Ser	
225 230 235 240	
cag gtc agc aac tcc gac cac aaa tcc tcc aaa tcc cca gag tcc gac	769
Gln Val Ser Asn Ser Asp His Lys Ser Ser Lys Ser Pro Glu Ser Asp	
245 250 255	
ttg gag caa ctg gga agc tta agg gtc ctt gga aca cgg ctg gcc agc	817
Leu Glu Gln Leu Gly Ser Leu Arg Val Leu Gly Thr Arg Leu Ala Ser	
260 265 270	
gag tat aac tgg ggt tgc cca gag tcc agc gac aag ggc gac ccc ttc	865
Glu Tyr Asn Trp Gly Cys Pro Glu Ser Ser Asp Lys Gly Asp Pro Phe	
275 280 285	
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Ala Thr Leu Ser Ala Arg Ser Ser Thr Gln Pro Arg Pro Asp Ser Trp	
290 295 300	
ggt gag gac aac tgg gag ggc ctc gag act gac agt cga cag gtc aag	961
Gly Glu Asp Asn Trp Glu Gly Leu Glu Thr Asp Ser Arg Gln Val Lys	
305 310 315 320	
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Ala Glu Leu Ala Arg Lys Lys Arg Glu Glu Arg Arg Arg Glu Met Glu	
325 330 335	
gcc aaa cgc gcc gag agg aag gtg gcc aag ggc ccc atg aag ctg gga	1057
Ala Lys Arg Ala Glu Arg Lys Val Ala Lys Gly Pro Met Lys Leu Gly	
340 345 350	
gcc cgg aag ctg gat gaa ccg tgg cgg tgg ccc ttc ccg gct gcg gag	1105
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355 360 365	

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ggc cca gcc agg cca ttc acg tgt aca taa tca gag cca caa taa att 1201
Gly Pro Ala Arg Pro Phe Thr Cys Thr Ser Glu Pro Gln Ile
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tta ttt cac aaa aaa aaa acc gga atg gcc 1231
Leu Phe His Lys Lys Lys Thr Gly Met Ala
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35 40 45

Arg Val Ala Gly Val Leu Gly Phe Ala Ala Thr His Asn Leu Tyr Ser
50 55 60

Met Asn Asp Cys Ala Gln Lys Ile Leu Pro Val Leu Cys Gly Leu Thr
65 70 75 80

Val Asp Pro Glu Lys Ser Val Arg Asp Gln Ala Phe Lys Ala Ile Arg
85 90 95

Ser Phe Leu Ser Lys Leu Glu Ser Val Ser Glu Asp Pro Thr Gln Leu
100 105 110

Glu Glu Val Glu Lys Asp Val His Ala Ala Ser Ser Pro Gly Met Gly
115 120 125

Gly Ala Ala Ala Ser Trp Ala Gly Trp Ala Val Thr Gly Val Ser Ser
130 135 140

Leu Thr Ser Lys Leu Ile Arg Ser His Pro Thr Thr Ala Pro Thr Glu
145 150 155 160

Thr Asn Ile Pro Gln Arg Pro Thr Pro Glu Val Pro Ala Pro Ala Pro
165 170 175

Thr Pro Val Pro Ala Thr Pro Thr Thr Ser Gly His Trp Glu Thr Gln
180 185 190

Glu Glu Asp Lys Asp Thr Ala Glu Asp Ser Ser Thr Ala Asp Arg Trp
195 200 205

Asp Asp Glu Asp Trp Gly Ser Leu Glu Gln Glu Ala Glu Ser Val Leu
3

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210	215	220
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Gln Val Ser Asn Ser Asp His Lys Ser Ser Lys Ser Pro Glu Ser Asp		
	245	250 255
Leu Glu Gln Leu Gly Ser Leu Arg Val Leu Gly Thr Arg Leu Ala Ser		
	260	265 270
Glu Tyr Asn Trp Gly Cys Pro Glu Ser Ser Asp Lys Gly Asp Pro Phe		
	275	280 285
Ala Thr Leu Ser Ala Arg Ser Ser Thr Gln Pro Arg Pro Asp Ser Trp		
	290	295 300
Gly Glu Asp Asn Trp Glu Gly Leu Glu Thr Asp Ser Arg Gln Val Lys		
	305	310 315 320
Ala Glu Leu Ala Arg Lys Lys Arg Glu Glu Arg Arg Arg Glu Met Glu		
	325	330 335
Ala Lys Arg Ala Glu Arg Lys Val Ala Lys Gly Pro Met Lys Leu Gly		
	340	345 350
Ala Arg Lys Leu Asp Glu Pro Trp Arg Trp Pro Phe Pro Ala Ala Glu		
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Ser Pro Pro His Arg Cys Ile Tyr Cys Thr Asn His Val Arg Pro Ala		
	370	375 380
Gly Pro Ala Arg Pro Phe Thr Cys Thr		
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<210> 3
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<400> 3

Ser Glu Pro Gln
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<210> 4
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Ile Leu Phe His Lys Lys Lys Thr Gly Met Ala
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<211> 39
<212> DNA
<213> Artificial Sequence

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<223> oligonucleotide primer

<400> 5

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